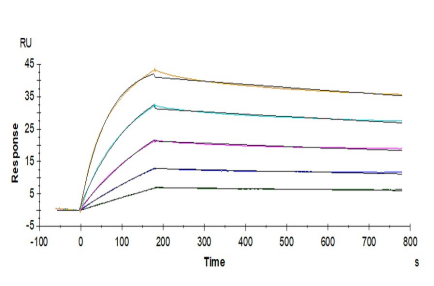
Bioactive HuPro®

IL25 (Human) Recombinant Protein

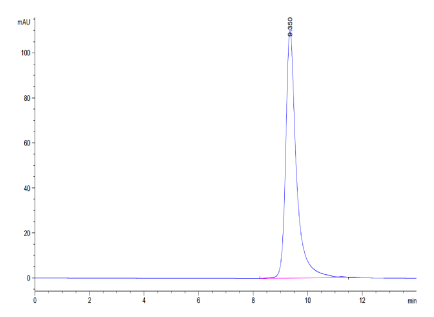
Catalog # P9878 Size 100 ug

Applications



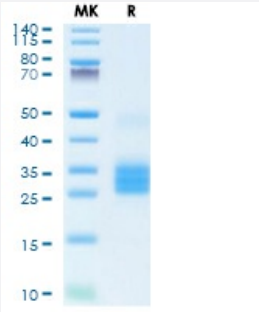
Surface Plasmon Resonance

Human IL-17RB, His Tag immobilized on CM5 Chip can bind Human IL-25, His Tag with an affinity constant of 0.81nM as determined in SPR assay (Biacore T200).



SEC-HPLC

The purity of Human IL-25 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human IL-25 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human IL25 (Q9H293-1, Tyr33-Gly177) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.

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Sequence	Tyr33-Gly177
Host	Human
Theoretical MW (kDa)	17.6
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The affinity constant of 0.81nM as determined in SPR assay (Biacore T200).
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human IL-25 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human IL-25 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity SDS-PAGE SPR The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE
- Surface Plasmon Resonance

  Human IL-17RB, His Tag immobilized on CM5 Chip can bind Human IL-25, His Tag with an affinity constant of 0.81nM as determined in SPR assay (Biacore T200).

Gene Info — IL25

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Entrez GeneID	64806
Protein Accession#	Q9H293-1
Gene Name	IL25
Gene Alias	IL-17E, IL-25, IL17E
Gene Description	interleukin 25
Omim ID	605658
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that shares the sequence similarity with IL17. This cytokine can induce NF-kappaB activation, and stimulate the production of IL8. Both this cytokine and IL17B are ligands for the cytokine receptor IL17BR. Studies of the similar gene in mice sugg ested that this cytokine may be a proinflammatory cytokine favoring Th2-type immune response. T wo alternatively spliced transcript variants of this gene encoding distinct isoforms have been repo rted. [provided by RefSeq
Other Designations	interleukin 17E

Pathway

- Cytokine-cytokine receptor interaction

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